

Data Path : Z:\HPCHEM1\BNA F\Data\BF102115\
 Data File : BF082428.D
 Acq On : 22 Oct 2015 3:39
 Operator : UM/IZ
 Sample : G4116-07
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BRIDGE-14-01(0-2)

Quant Time: Oct 22 12:35:14 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 21 13:20:24 2015
 Response via : Initial Calibration

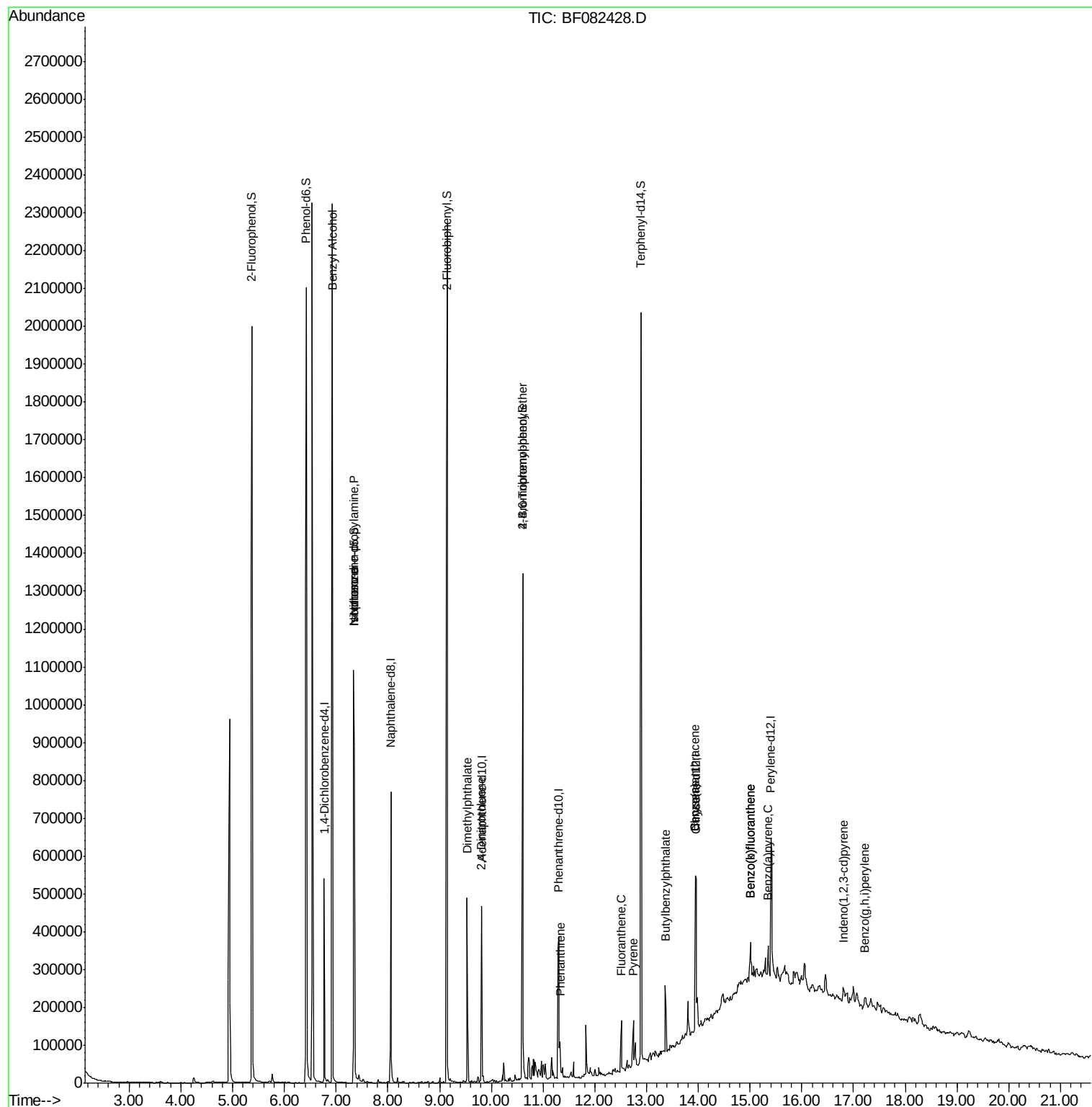
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	90360	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	337848	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	140591	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	227982	20.00	ng	0.00
75) Chrysene-d12	13.96	240	210832	20.00	ng	-0.06
86) Perylene-d12	15.41	264	208540	20.00	ng	-0.13
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	733997	163.94	ng	0.01
7) Phenol-d6	6.42	99	939560	161.26	ng	0.00
23) Nitrobenzene-d5	7.34	82	533422	106.03	ng	-0.01
41) 2,4,6-Tribromophenol	10.61	330	161890	122.79	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	1009721	119.10	ng	0.00
78) Terphenyl-d14	12.89	244	716176	90.02	ng	-0.01
Target Compounds						Qvalue
15) Benzyl Alcohol	6.93	79	10773	2.68	ng	# 51
19) n-Nitroso-di-n-propylamine	7.34	70	68674	16.78	ng	# 80
25) Isophorone	7.34	82	498728	49.12	ng	# 66
49) Dimethylphthalate	9.53	163	212794	21.49	ng	100
55) 4-Nitrophenol	10.02	139	927	Below Cal		# 11
56) 2,4-Dinitrotoluene	9.81	165	17867	6.84	ng	# 21
66) 4-Bromophenyl-phenylether	10.61	248	12929	5.67	ng	# 1
70) Phenanthrene	11.33	178	46540	4.16	ng	97
74) Fluoranthene	12.52	202	75454	6.29	ng	98
77) Pyrene	12.74	202	69603	5.56	ng	98
79) Butylbenzylphthalate	13.36	149	55416	9.71	ng	# 85
80) Benzo(a)anthracene	13.94	228	47092	4.29	ng	95
82) Chrysene	13.94	228	47092	4.07	ng	98
85) Indeno(1,2,3-cd)pyrene	16.80	276	21846	2.38	ng	94
87) Benzo(b)fluoranthene	15.01	252	67001	5.28	ng	# 92
88) Benzo(k)fluoranthene	15.01	252	67001	6.28	ng	# 90
89) Benzo(a)pyrene	15.35	252	35486	3.25	ng	# 88
91) Benzo(g,h,i)perylene	17.22	276	21797	2.51	ng	# 87

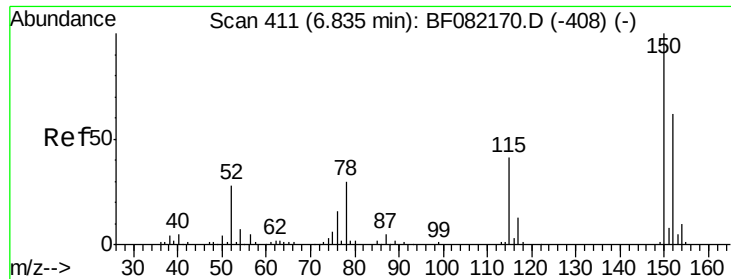
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 405

Delta R.T. -0.01 min

Lab File: BF082428.D

Acq: 22 Oct 2015 3:39

Instrument :

BNA_F

ClientSampleId :

BRIDGE-14-01(0-2)

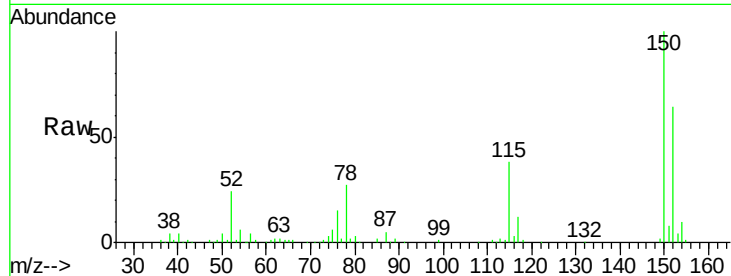
Tot Ion:152 Resp: 90360

Ion Ratio Lower Upper

152 100

150 156.0 129.0 193.4

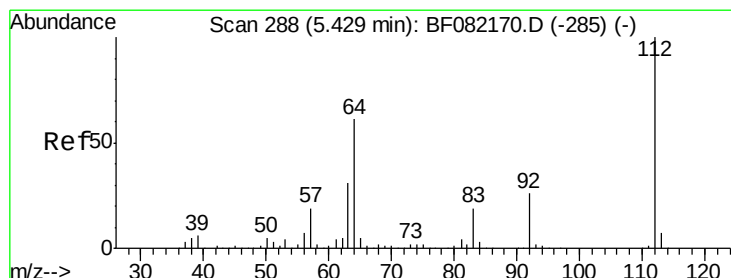
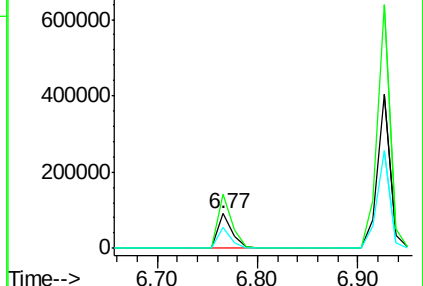
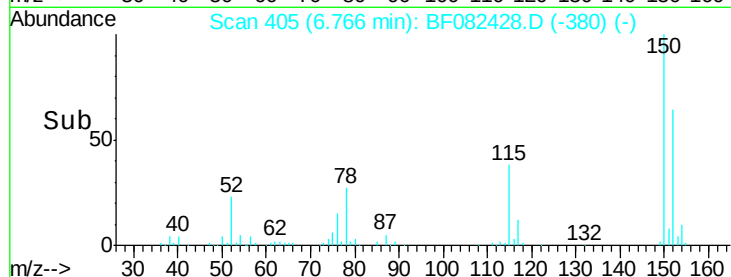
115 59.3 52.1 78.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 163.94 ng

RT: 5.37 min Scan# 283

Delta R.T. 0.01 min

Lab File: BF082428.D

Acq: 22 Oct 2015 3:39

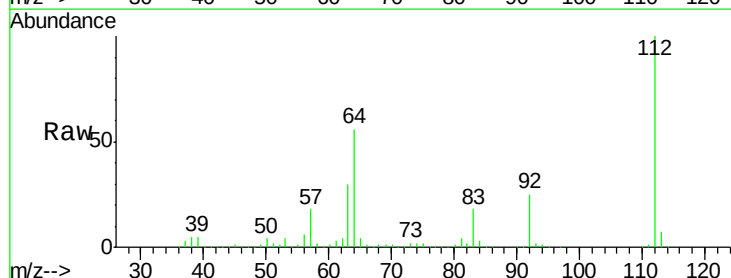
Tgt Ion:112 Resp: 733997

Ion Ratio Lower Upper

112 100

64 56.1 48.6 73.0

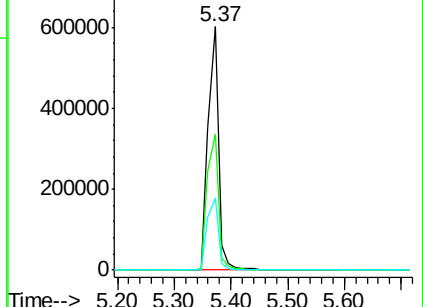
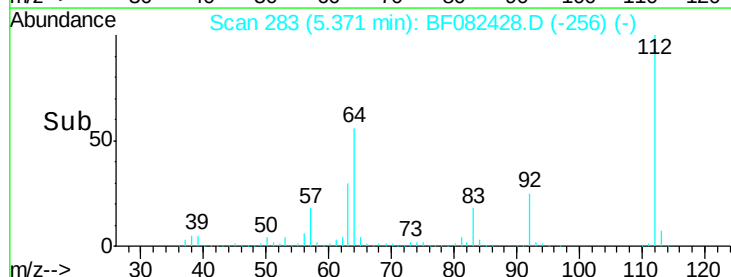
63 29.6 25.1 37.7

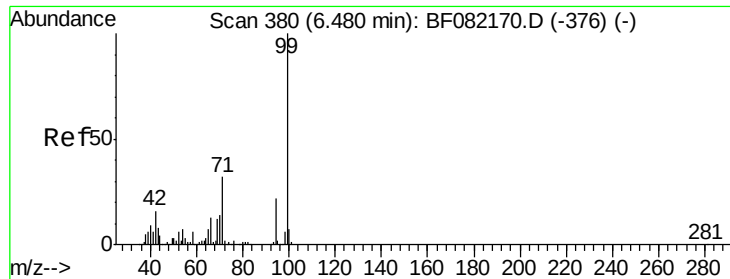


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 161.26 ng

RT: 6.42 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF082428.D

Acq: 22 Oct 2015 3:39

Instrument :

BNA_F

ClientSampleId :

BRIDGE-14-01(0-2)

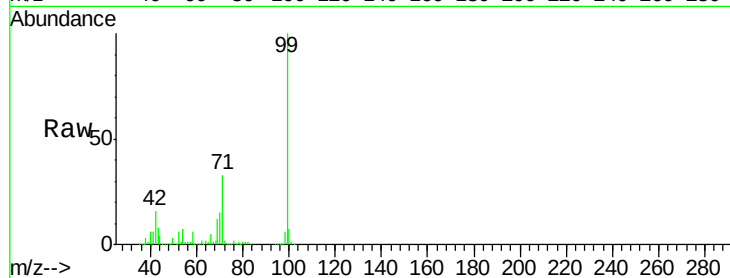
Tot Ion: 99 Resp: 939560

Ion Ratio Lower Upper

99 100

42 16.2 13.2 19.8

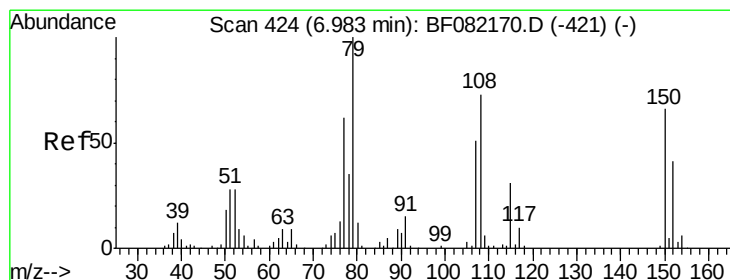
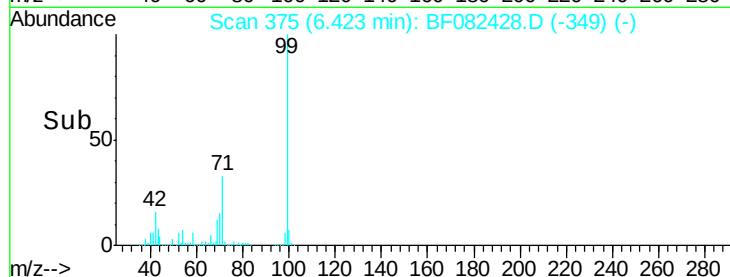
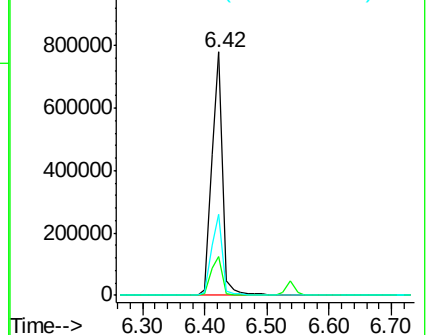
71 33.3 25.6 38.4



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#15

Benzyl Alcohol

Concen: 2.68 ng

RT: 6.93 min Scan# 419

Delta R.T. -0.00 min

Lab File: BF082428.D

Acq: 22 Oct 2015 3:39

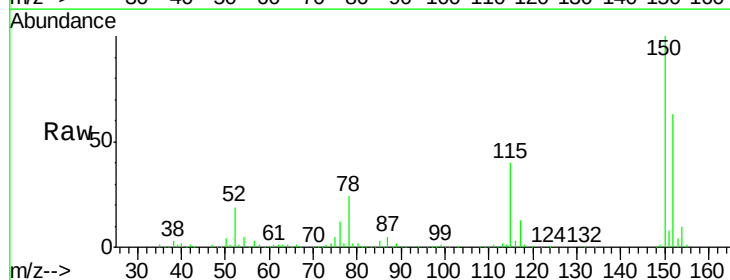
Tgt Ion: 79 Resp: 10773

Ion Ratio Lower Upper

79 100

108 29.1 58.4 87.6#

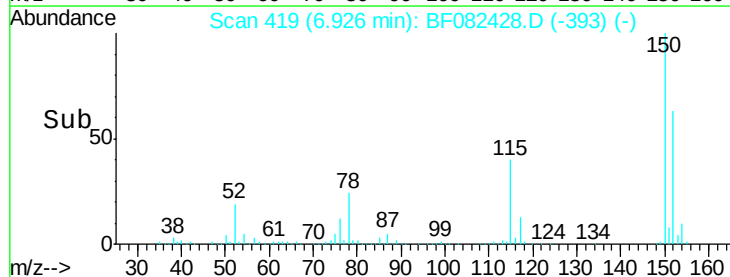
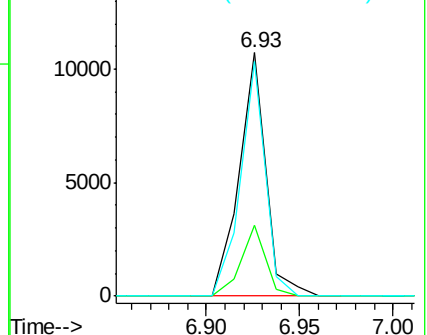
77 96.3 49.8 74.6#

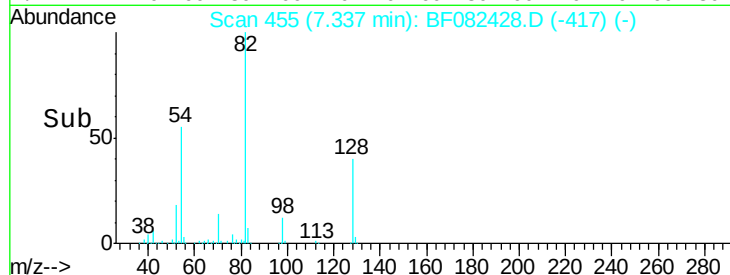
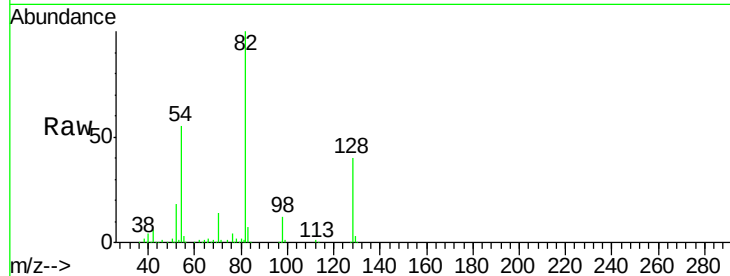
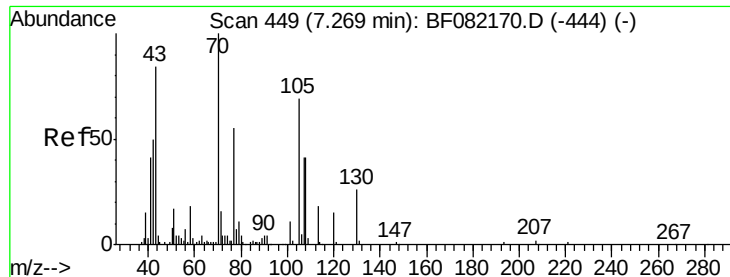


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

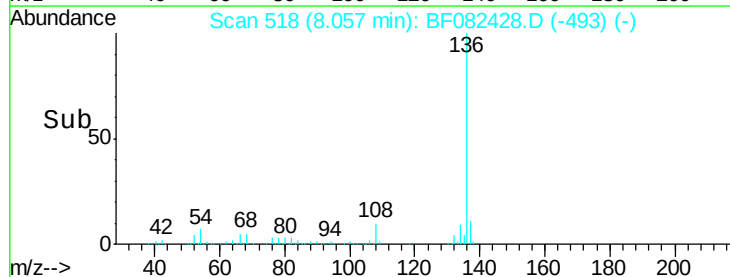
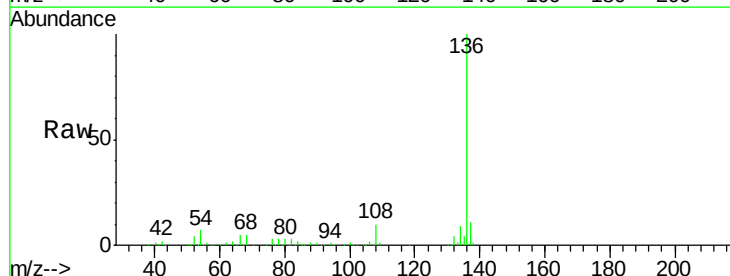
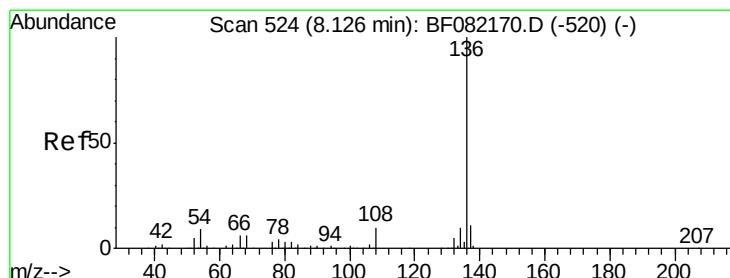
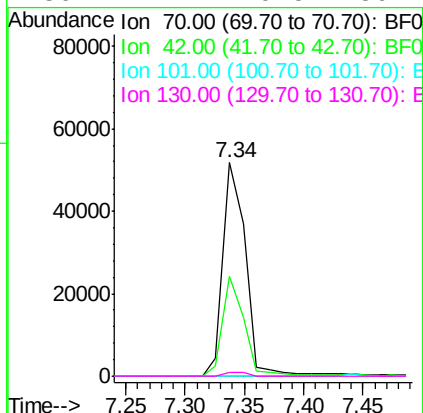




#19
n-Nitroso-di-n-propylamine
Concen: 16.78 ng
RT: 7.34 min Scan# 455
Delta R.T. 0.14 min
Lab File: BF082428.D
Acq: 22 Oct 2015 3:39

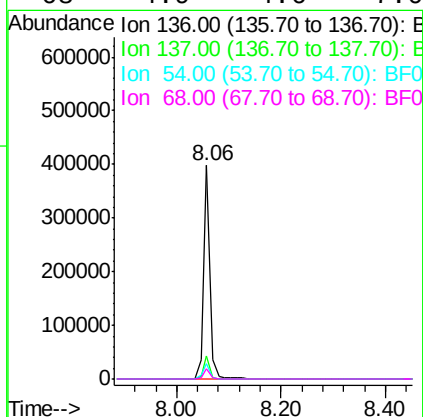
Instrument :
BNA_F
ClientSampleId :
BRIDGE-14-01(0-2)

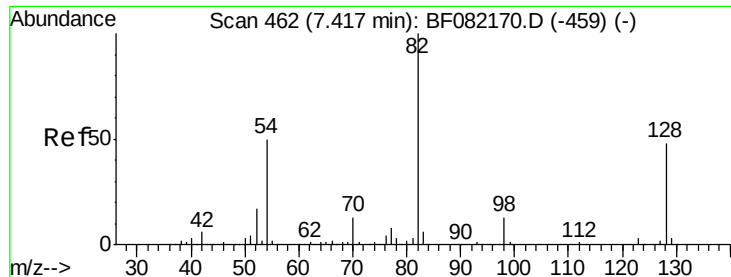
Tot Ion	Ratio	Lower	Upper
70	100		
42	47.0	39.8	59.8
101	0.0	8.6	13.0#
130	2.1	20.5	30.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 518
Delta R.T. -0.01 min
Lab File: BF082428.D
Acq: 22 Oct 2015 3:39

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.6
54	7.4	7.5	11.3#
68	4.9	4.6	7.0

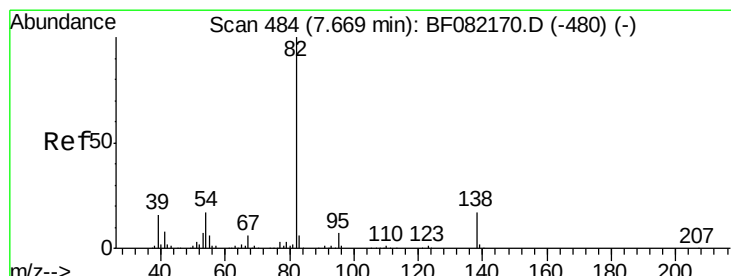
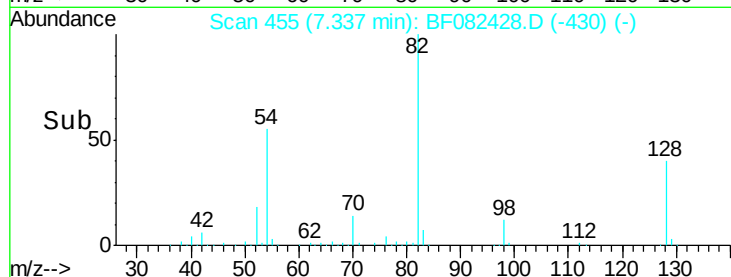
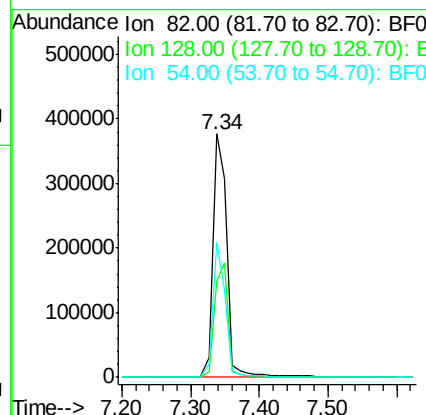
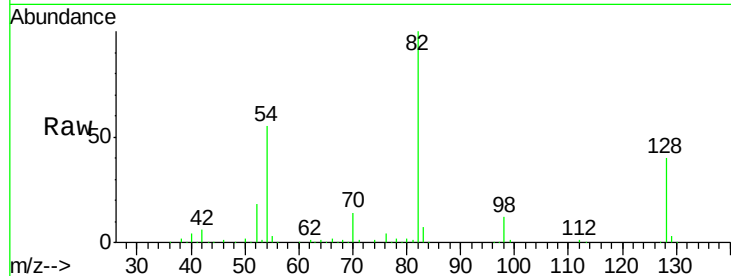




#23
 Nitrobenzene-d5
 Concen: 106.03 ng
 RT: 7.34 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: BF082428.D
 Acq: 22 Oct 2015 3:39

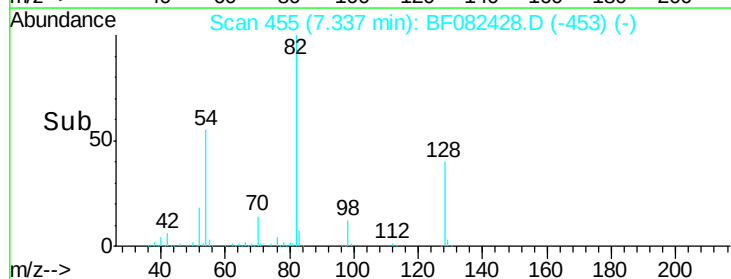
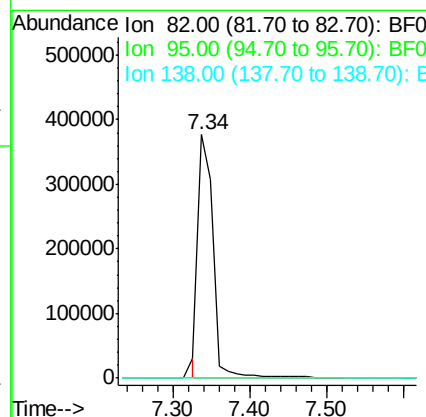
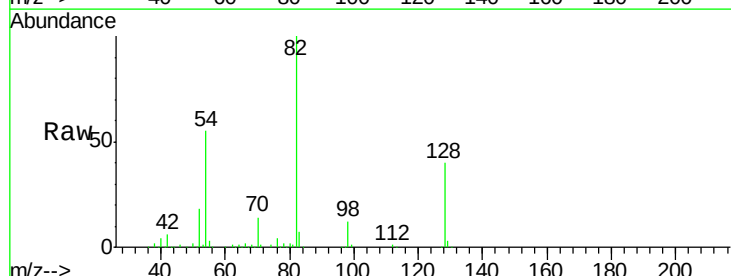
Instrument :
 BNA_F
 ClientSampleId :
 BRIDGE-14-01(0-2)

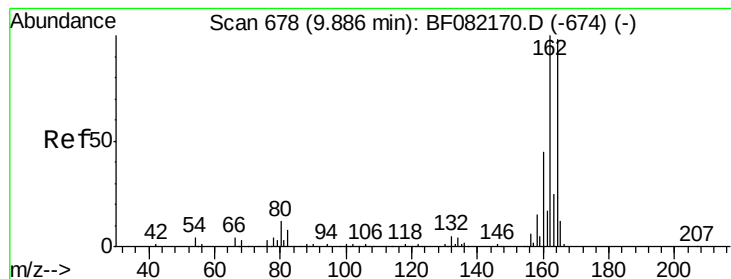
Tot Ion: 82 Resp: 533422
 Ion Ratio Lower Upper
 82 100
 128 39.8 38.7 58.1
 54 55.5 40.1 60.1



#25
 Isophorone
 Concen: 49.12 ng
 RT: 7.34 min Scan# 455
 Delta R.T. -0.27 min
 Lab File: BF082428.D
 Acq: 22 Oct 2015 3:39

Tgt Ion: 82 Resp: 498728
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 13.6 20.4#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 672

Delta R.T. -0.00 min

Lab File: BF082428.D

Acq: 22 Oct 2015 3:39

Instrument :

BNA_F

ClientSampleId :

BRIDGE-14-01(0-2)

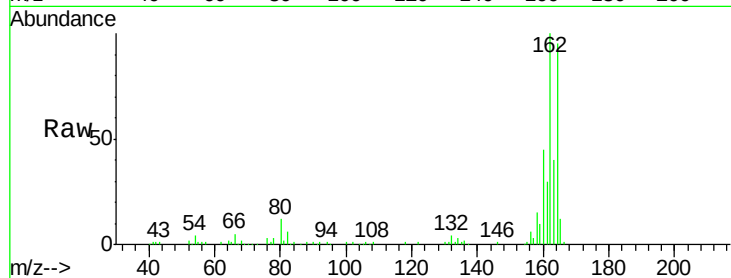
Tot Ion:164 Resp: 140591

Ion Ratio Lower Upper

164 100

162 105.7 81.6 122.4

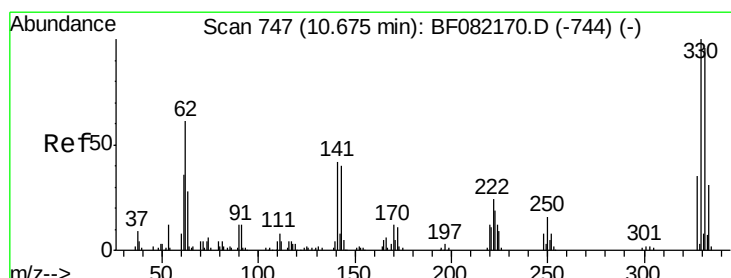
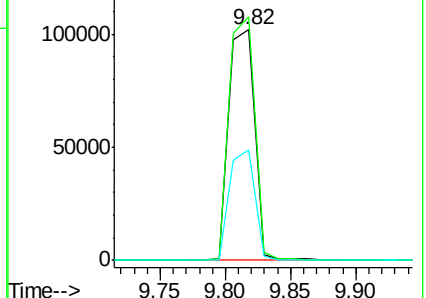
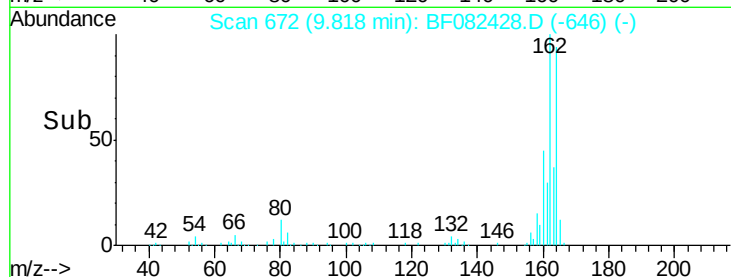
160 47.7 36.4 54.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 122.79 ng

RT: 10.61 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF082428.D

Acq: 22 Oct 2015 3:39

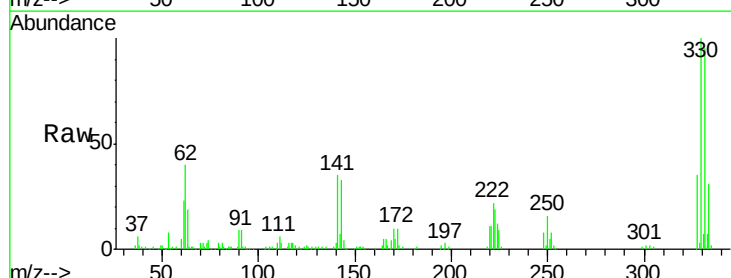
Tgt Ion:330 Resp: 161890

Ion Ratio Lower Upper

330 100

332 95.3 77.1 115.7

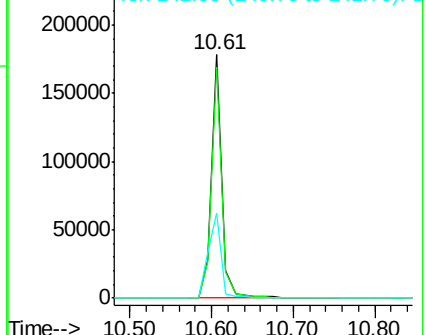
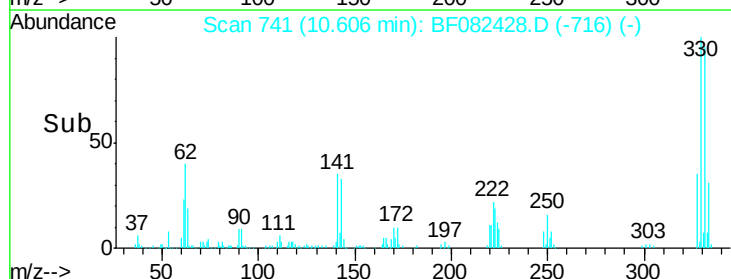
141 43.5 29.8 44.8

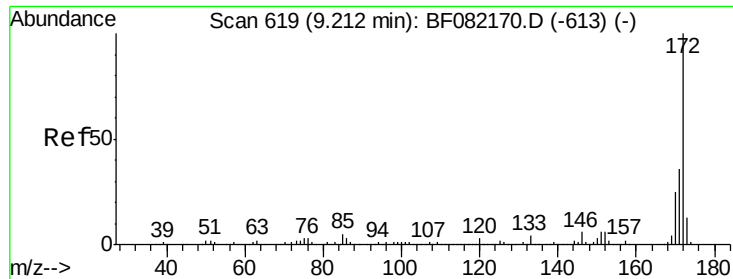


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

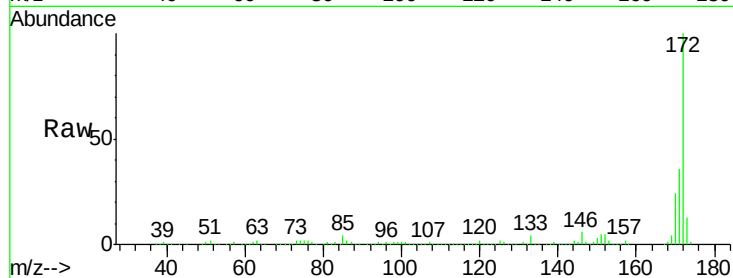




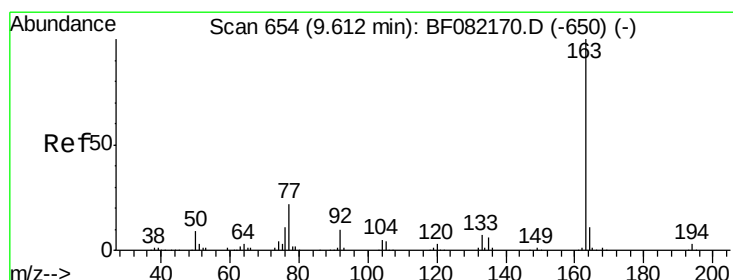
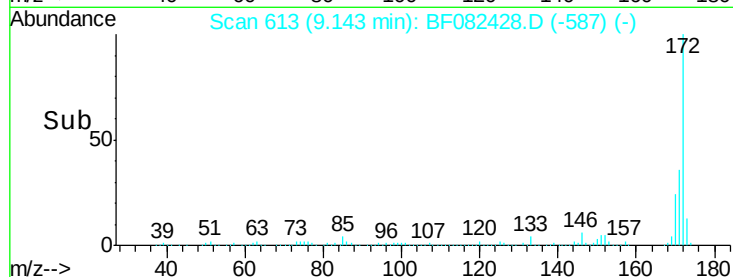
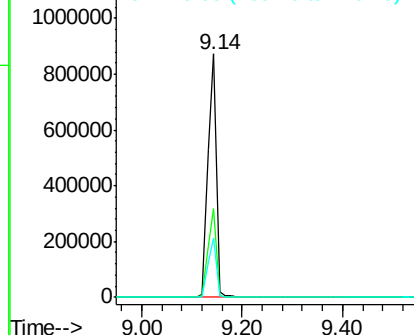
#44
2-Fluorobiphenyl
Concen: 119.10 ng
RT: 9.14 min Scan# 613
Delta R.T. -0.00 min
Lab File: BF082428.D
Acq: 22 Oct 2015 3:39

Instrument :
BNA_F
ClientSampleId :
BRIDGE-14-01(0-2)

Tot Ion:172 Resp: 1009721
Ion Ratio Lower Upper
172 100
171 36.3 28.6 42.8
170 24.4 19.7 29.5

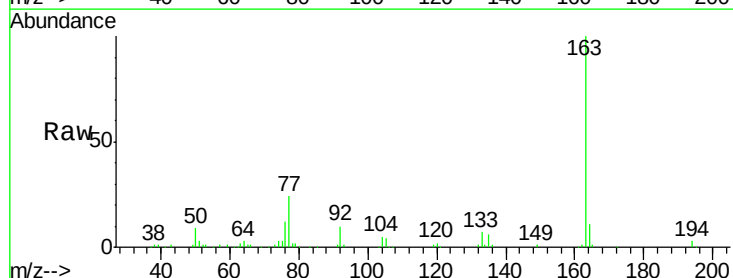


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

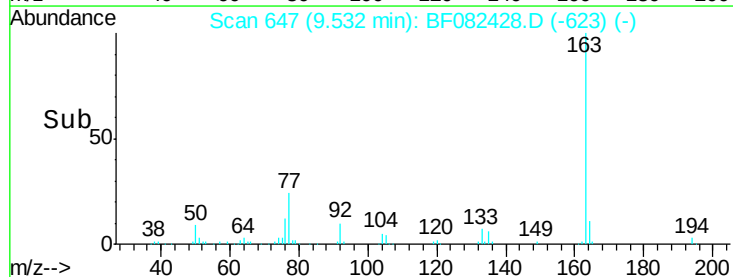
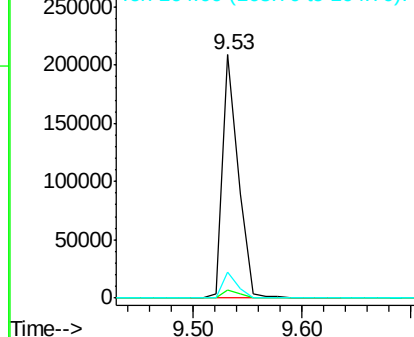


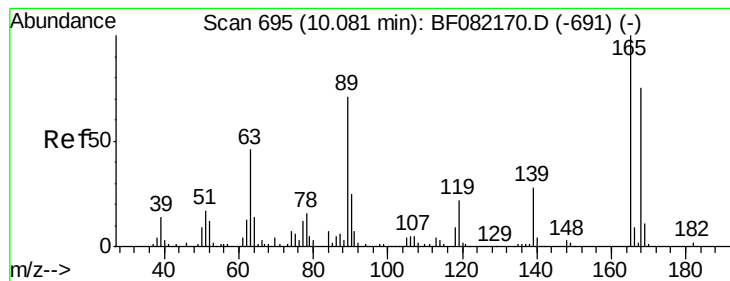
#49
Dimethylphthalate
Concen: 21.49 ng
RT: 9.53 min Scan# 647
Delta R.T. -0.02 min
Lab File: BF082428.D
Acq: 22 Oct 2015 3:39

Tgt Ion:163 Resp: 212794
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 10.7 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

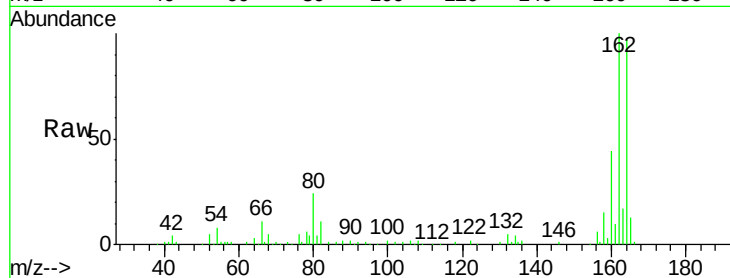




#56
 2,4-Dinitrotoluene
 Concen: 6.84 ng
 RT: 9.81 min Scan# 671
 Delta R.T. -0.22 min
 Lab File: BF082428.D
 Acq: 22 Oct 2015 3:39

Instrument :
 BNA_F
 ClientSampleId :
 BRIDGE-14-01(0-2)

Tot Ion:165	Resp: 17867
Ion Ratio	Lower Upper
165 100	
63 0.0	38.6 58.0#
89 0.0	57.0 85.6#
182 0.0	1.8 2.6#

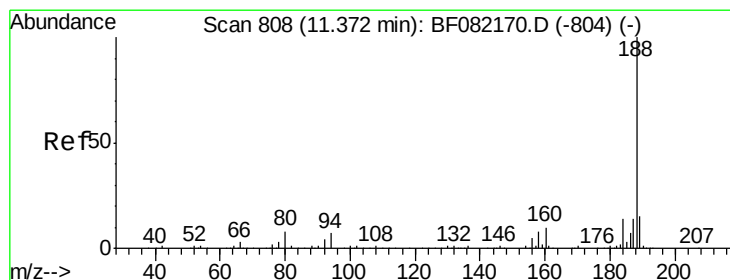
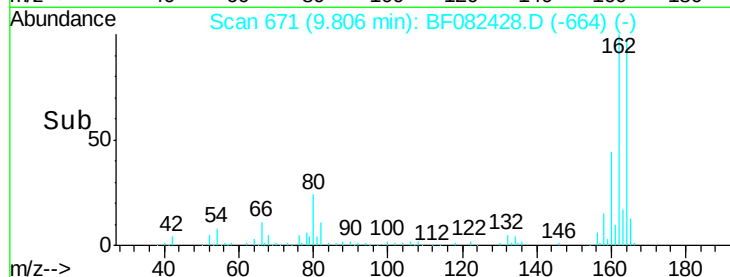
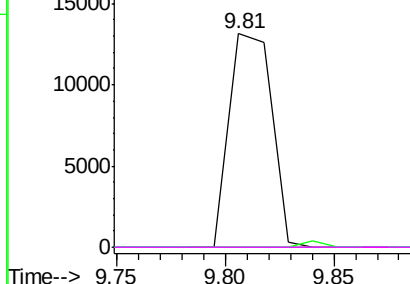


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

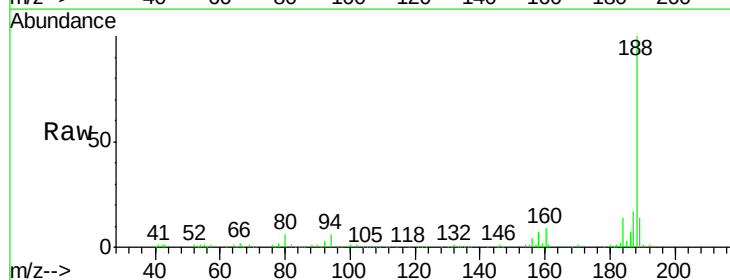
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: BF082428.D
 Acq: 22 Oct 2015 3:39

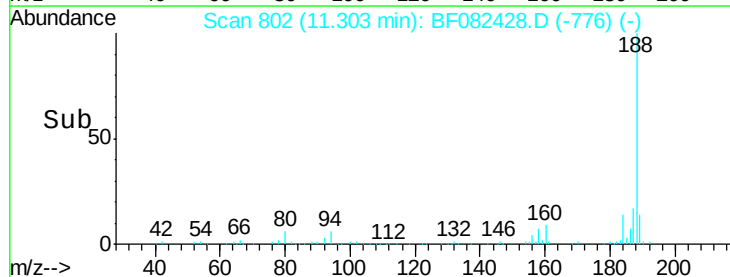
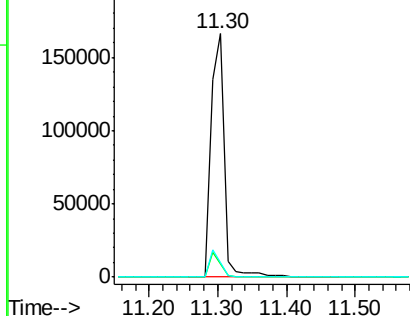
Tgt Ion	Ion:188	Resp:	227982
	Ratio	Lower	Upper
188	100		
94	5.6	5.8	8.6#
80	5.7	6.4	9.6#

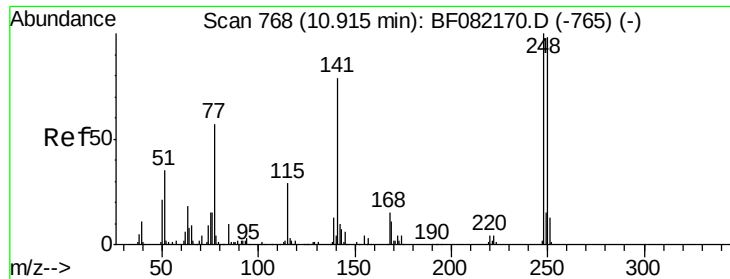


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

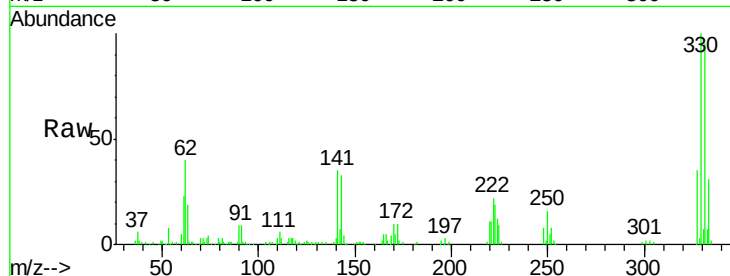




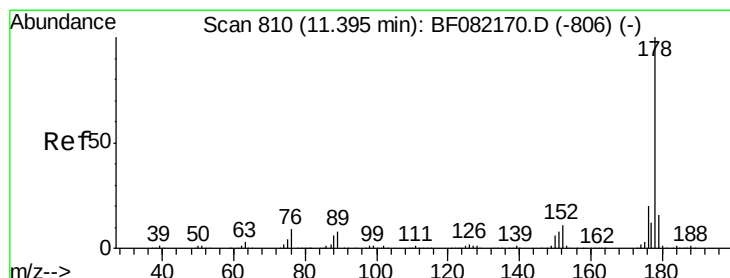
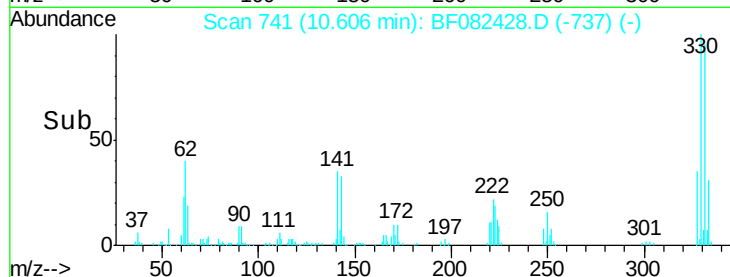
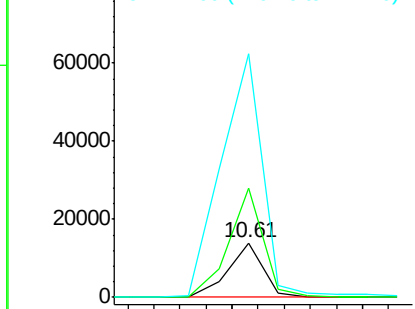
#66
4-Bromophenyl-phenylether
Concen: 5.67 ng
RT: 10.61 min Scan# 741
Delta R.T. -0.25 min
Lab File: BF082428.D
Acq: 22 Oct 2015 3:39

Instrument :
BNA_F
ClientSampleId :
BRIDGE-14-01(0-2)

Tot Ion:248 Resp: 12929
Ion Ratio Lower Upper
248 100
250 200.4 78.6 117.8#
141 445.8 63.3 94.9#

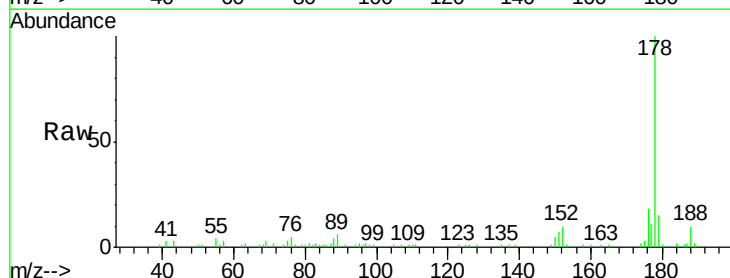


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

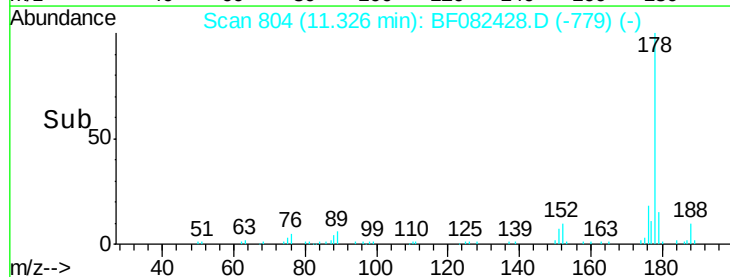
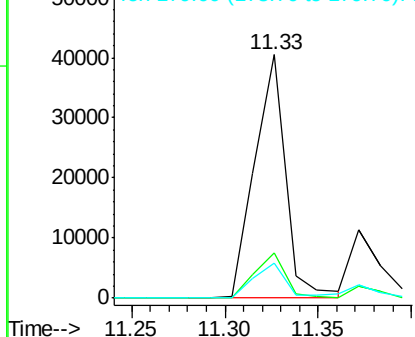


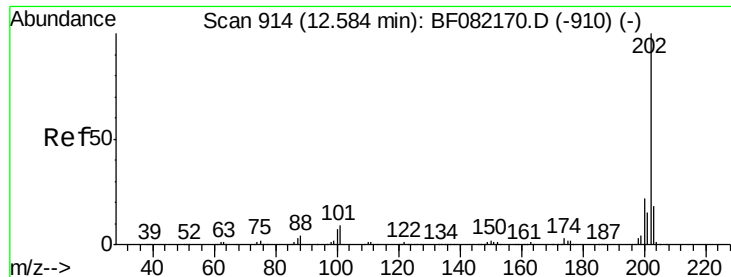
#70
Phenanthrene
Concen: 4.16 ng
RT: 11.33 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF082428.D
Acq: 22 Oct 2015 3:39

Tgt Ion:178 Resp: 46540
Ion Ratio Lower Upper
178 100
176 18.4 16.0 24.0
179 14.6 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

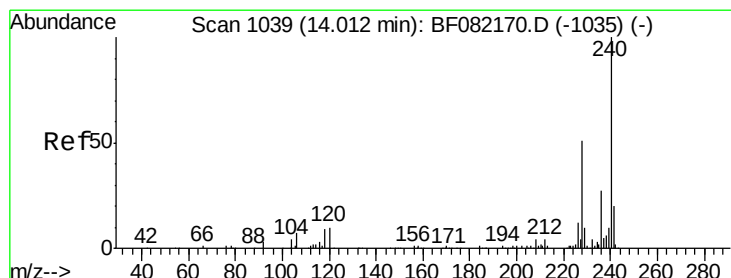
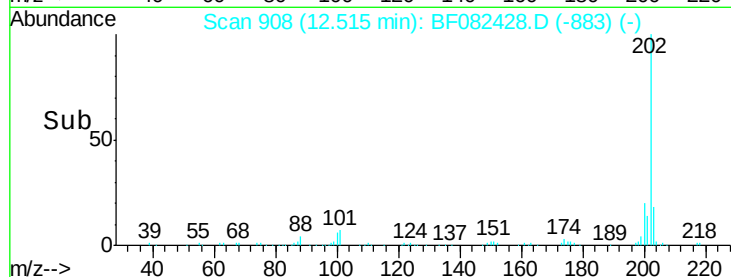
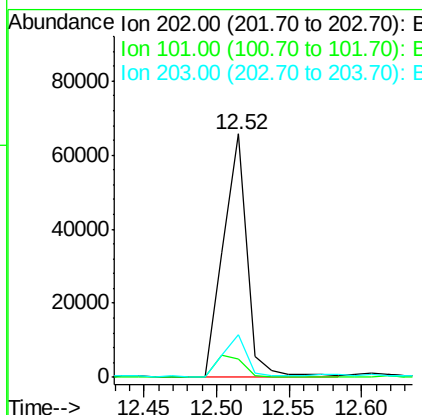
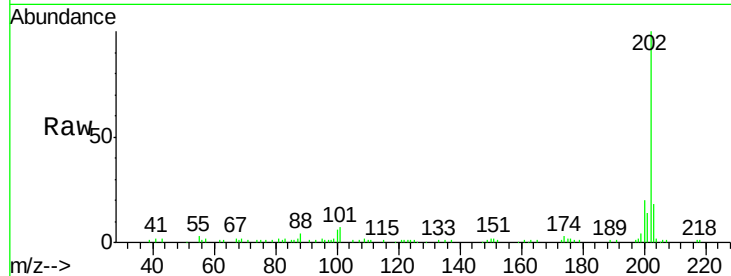




#74
Fluoranthene
Concen: 6.29 ng
RT: 12.52 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF082428.D
Acq: 22 Oct 2015 3:39

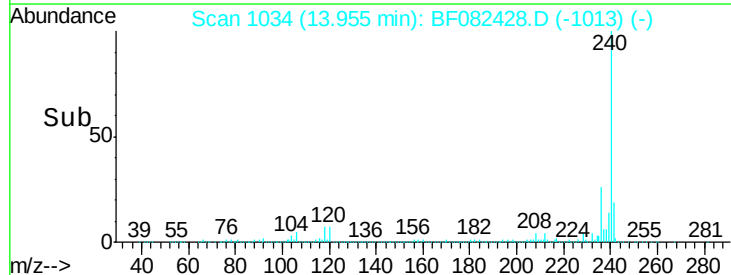
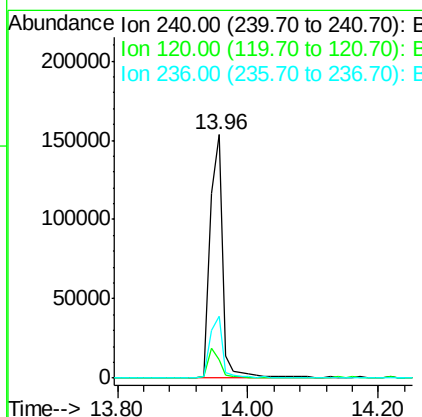
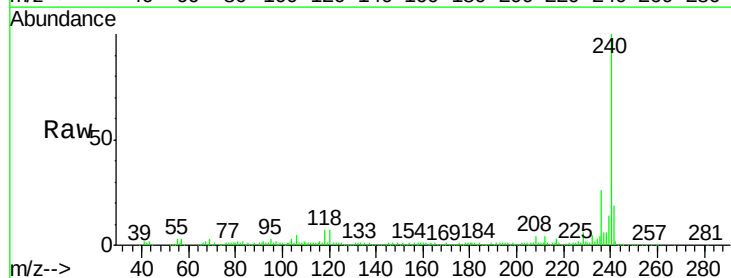
Instrument :
BNA_F
ClientSampleId :
BRIDGE-14-01(0-2)

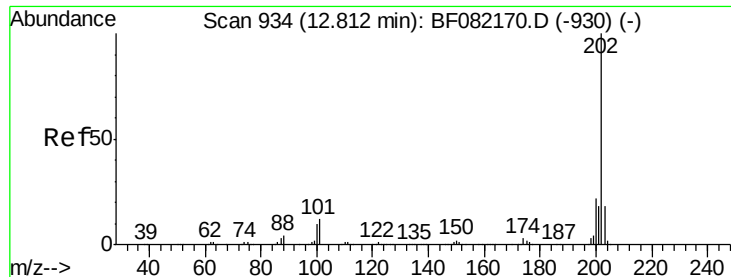
Tot Ion:202 Resp: 75454
Ion Ratio Lower Upper
202 100
101 7.3 0.0 29.3
203 17.6 0.0 37.8



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.96 min Scan# 1034
Delta R.T. -0.06 min
Lab File: BF082428.D
Acq: 22 Oct 2015 3:39

Tgt Ion:240 Resp: 210832
Ion Ratio Lower Upper
240 100
120 7.3 8.1 12.1#
236 25.7 21.3 31.9





#77

Pvrene

Concen: 5.56 ng

RT: 12.74 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF082428.D

Acq: 22 Oct 2015 3:39

Instrument :

BNA_F

ClientSampleId :

BRIDGE-14-01(0-2)

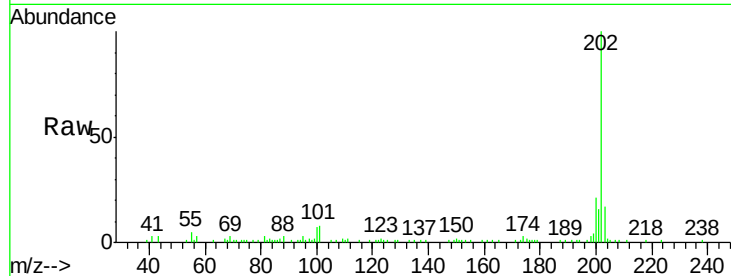
Tot Ion:202 Resp: 69603

Ion Ratio Lower Upper

202 100

200 21.5 17.9 26.9

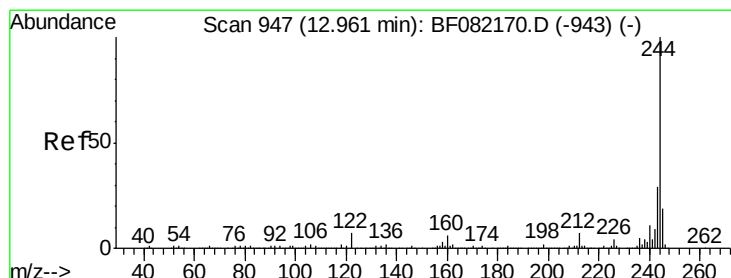
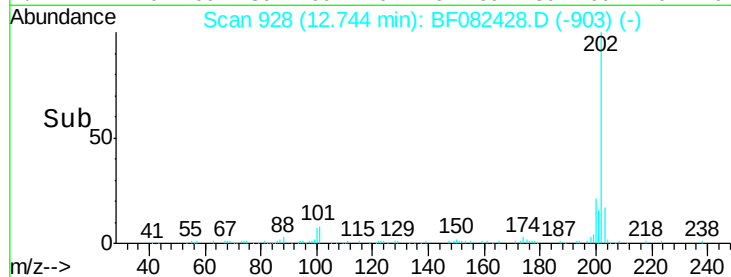
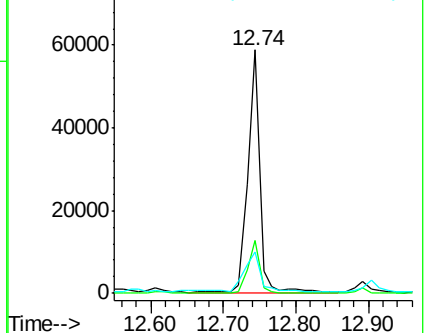
203 17.2 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 90.02 ng

RT: 12.89 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF082428.D

Acq: 22 Oct 2015 3:39

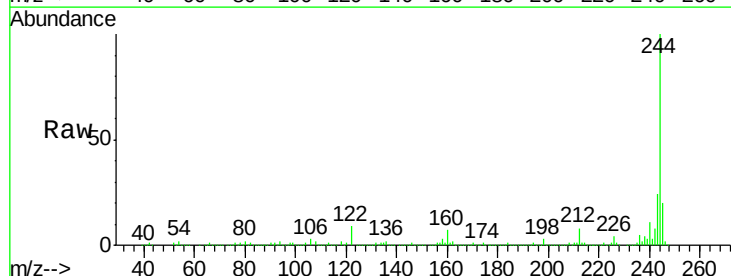
Tgt Ion:244 Resp: 716176

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.6

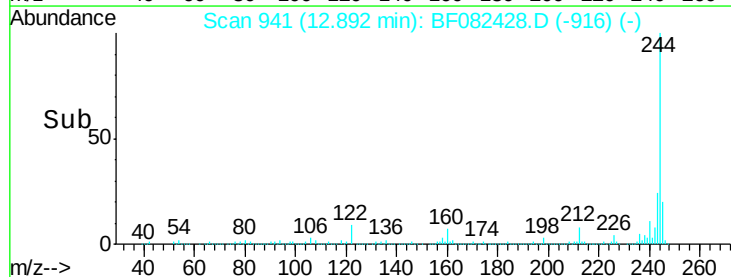
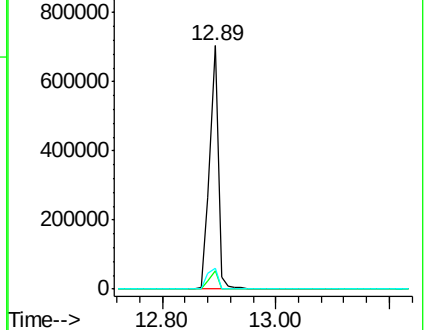
122 8.6 5.9 8.9

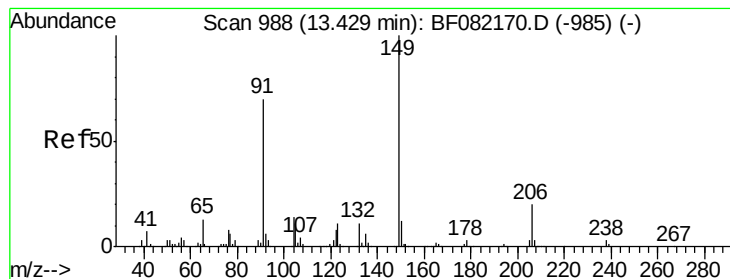


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 9.71 ng

RT: 13.36 min Scan# 982

Delta R.T. -0.03 min

Lab File: BF082428.D

Acq: 22 Oct 2015 3:39

Instrument :

BNA_F

ClientSampleId :

BRIDGE-14-01(0-2)

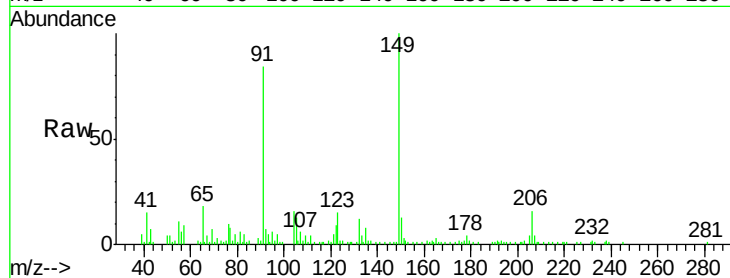
Tot Ion:149 Resp: 55416

Ion Ratio Lower Upper

149 100

91 83.5 55.7 83.5#

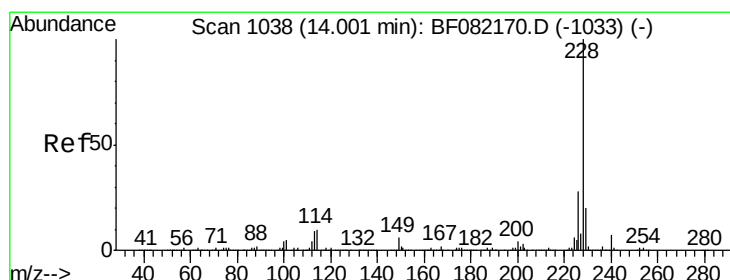
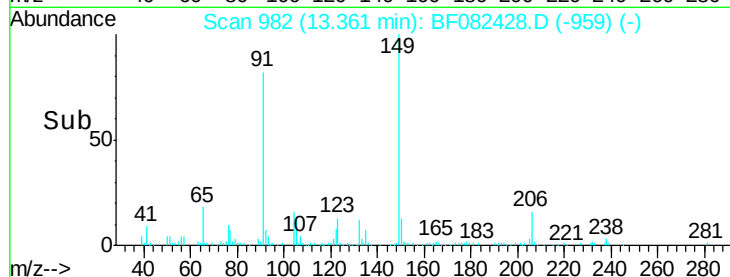
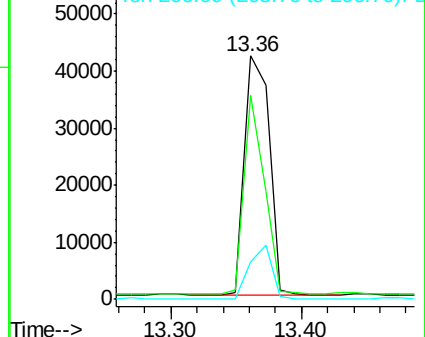
206 15.7 15.6 23.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 4.29 ng

RT: 13.94 min Scan# 1033

Delta R.T. -0.05 min

Lab File: BF082428.D

Acq: 22 Oct 2015 3:39

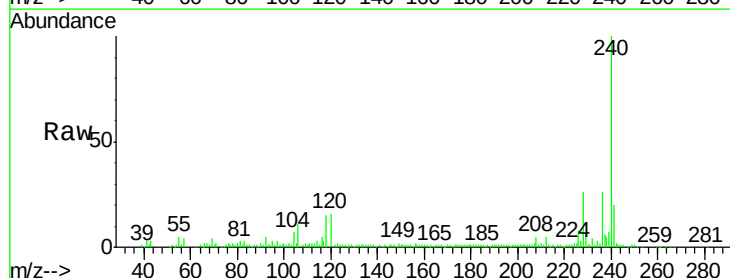
Tgt Ion:228 Resp: 47092

Ion Ratio Lower Upper

228 100

226 30.3 22.3 33.5

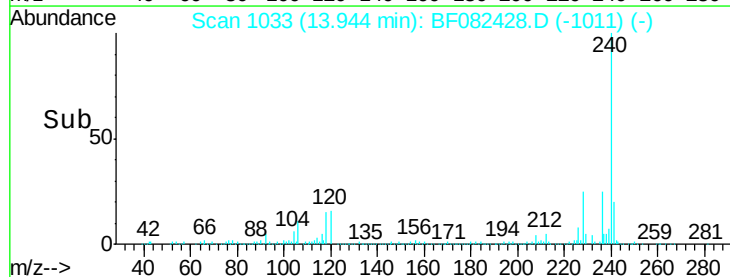
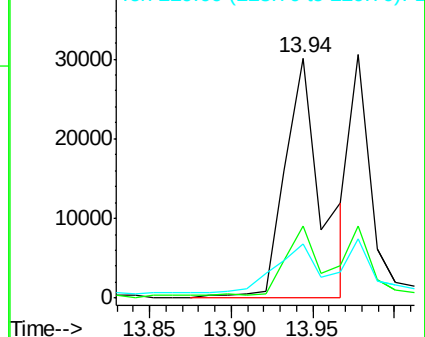
229 22.5 16.2 24.2

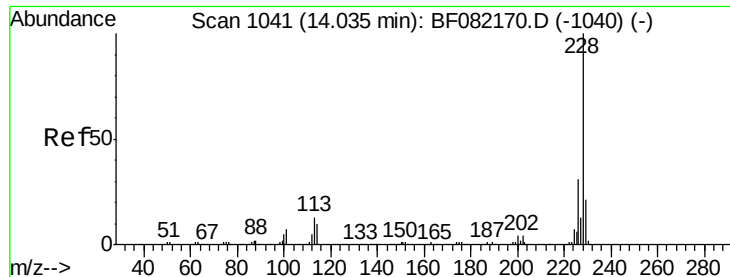


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.07 ng

RT: 13.94 min Scan# 1033

Delta R.T. -0.09 min

Lab File: BF082428.D

Acq: 22 Oct 2015 3:39

Instrument :

BNA_F

ClientSampleId :

BRIDGE-14-01(0-2)

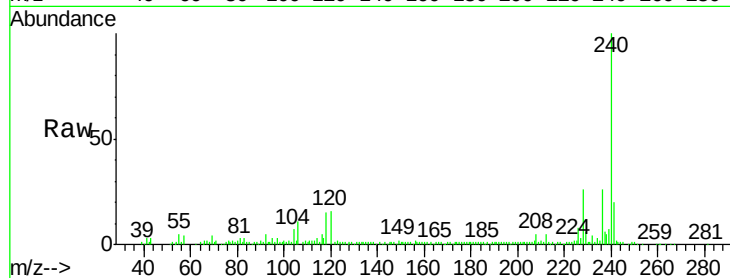
Tot Ion:228 Resp: 47092

Ion Ratio Lower Upper

228 100

226 30.3 24.4 36.6

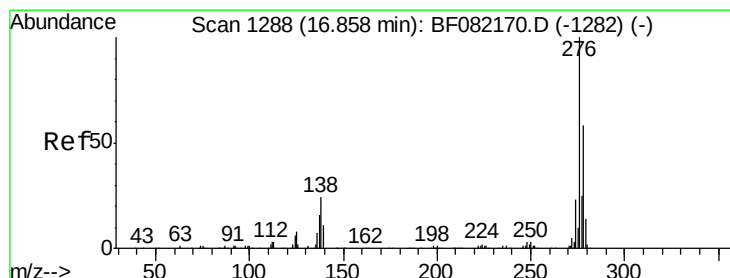
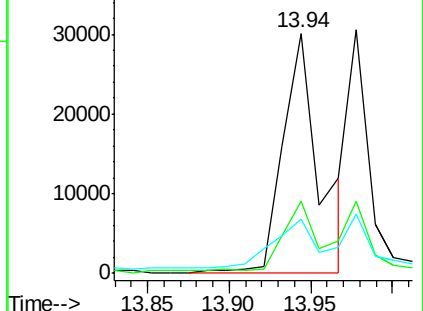
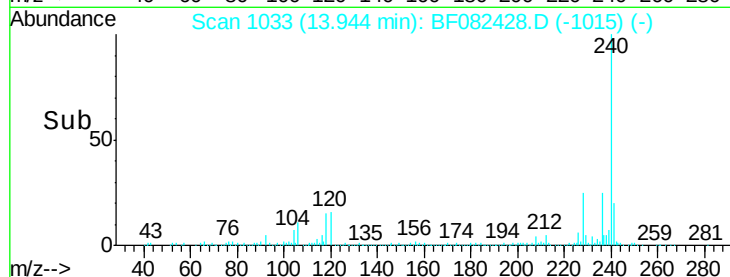
229 22.5 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.38 ng

RT: 16.80 min Scan# 1283

Delta R.T. -0.15 min

Lab File: BF082428.D

Acq: 22 Oct 2015 3:39

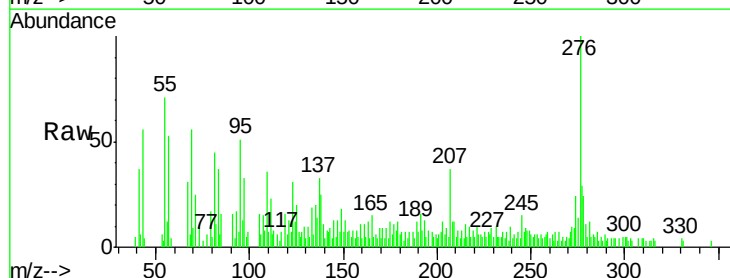
Tgt Ion:276 Resp: 21846

Ion Ratio Lower Upper

276 100

138 21.3 19.7 29.5

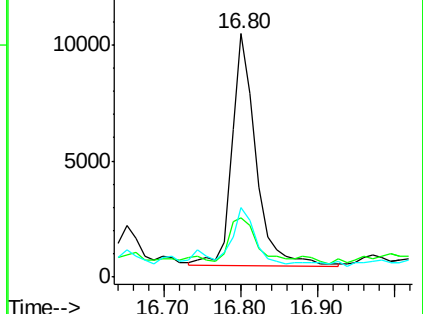
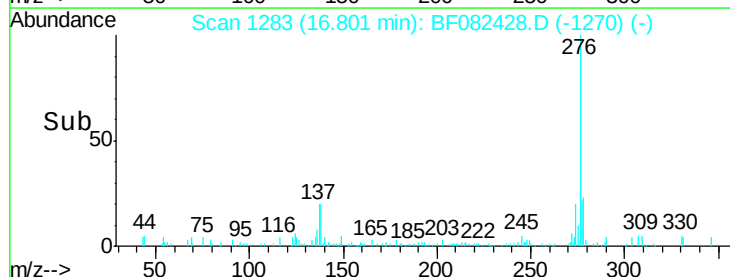
277 22.4 20.1 30.1

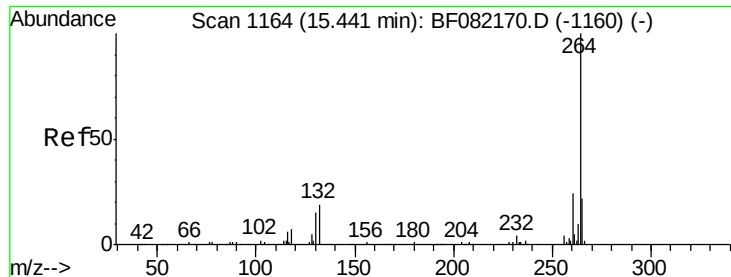


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



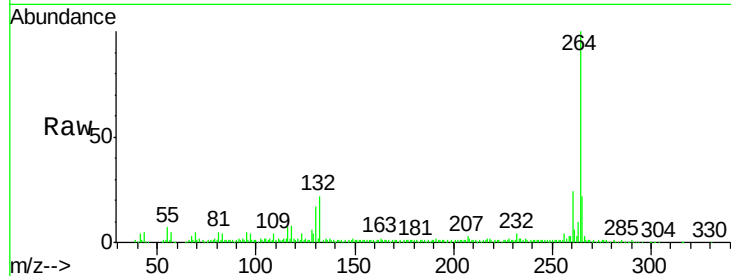


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1161
Delta R.T. -0.13 min
Lab File: BF082428.D
Acq: 22 Oct 2015 3:39

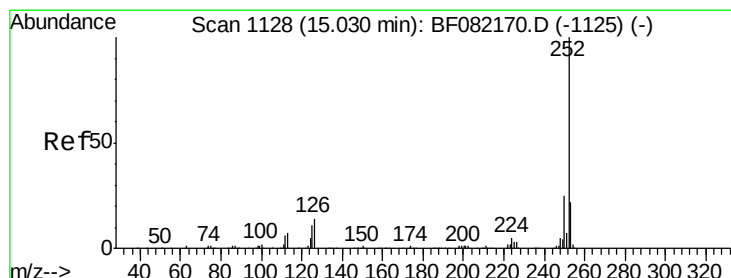
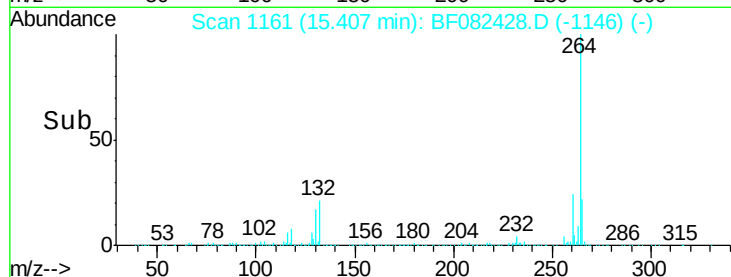
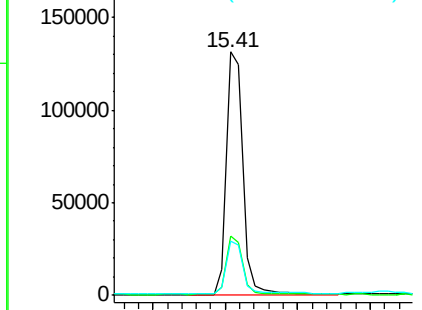
Instrument :
BNA_F
ClientSampleId :
BRIDGE-14-01(0-2)

Tot Ion:264 Resp: 208540

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.0	28.6
265	22.4	17.3	25.9



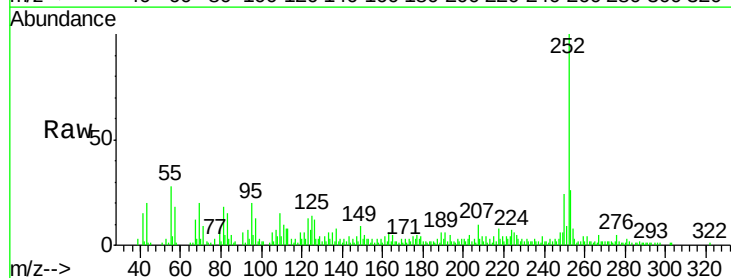
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



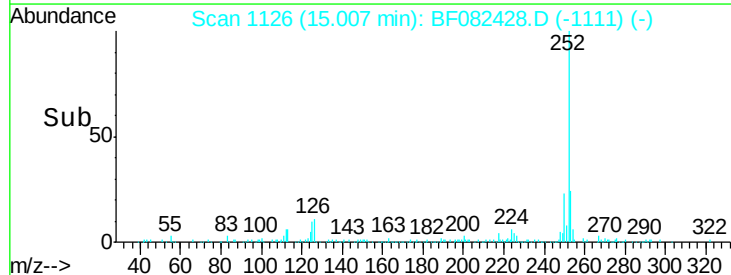
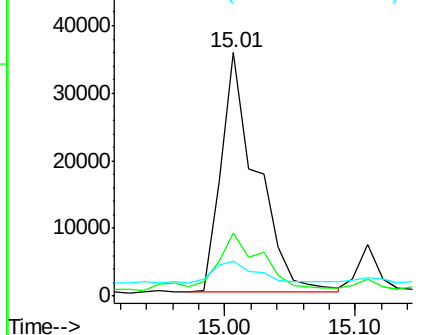
#87
Benzo(b)fluoranthene
Concen: 5.28 ng
RT: 15.01 min Scan# 1126
Delta R.T. -0.13 min
Lab File: BF082428.D
Acq: 22 Oct 2015 3:39

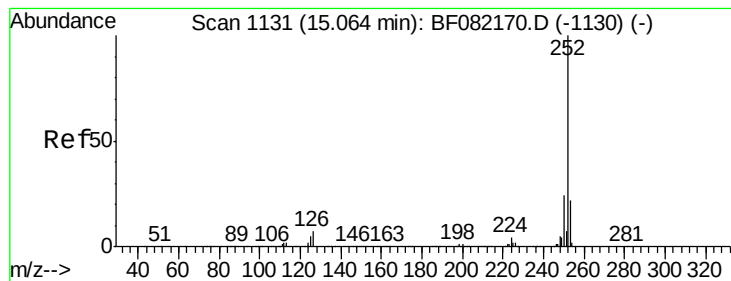
Tgt Ion:252 Resp: 67001

Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.0	27.0
125	14.4	8.6	12.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 6.28 ng

RT: 15.01 min Scan# 1126

Delta R.T. -0.15 min

Lab File: BF082428.D

Acq: 22 Oct 2015 3:39

Instrument :

BNA_F

ClientSampleId :

BRIDGE-14-01(0-2)

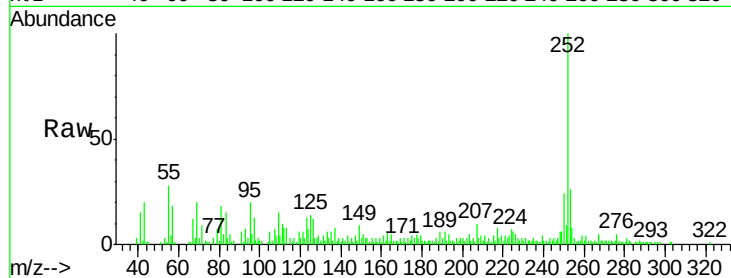
Tot Ion:252 Resp: 67001

Ion Ratio Lower Upper

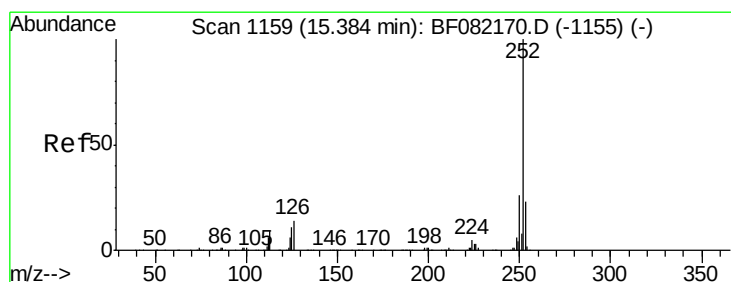
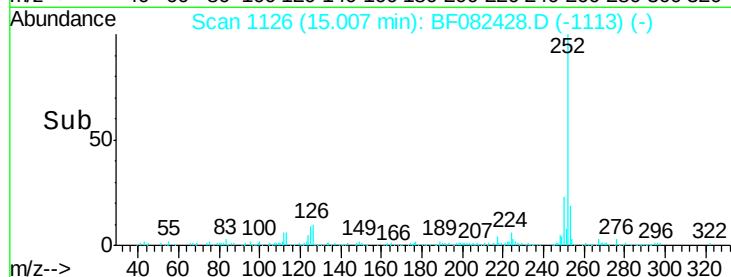
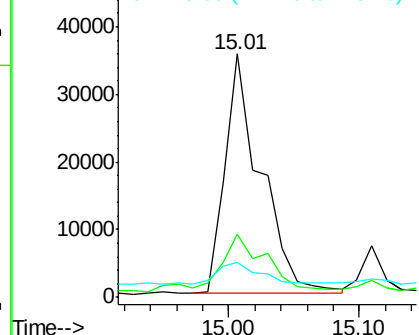
252 100

253 25.7 17.8 26.6

125 14.4 6.7 10.1#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 3.25 ng

RT: 15.35 min Scan# 1156

Delta R.T. -0.13 min

Lab File: BF082428.D

Acq: 22 Oct 2015 3:39

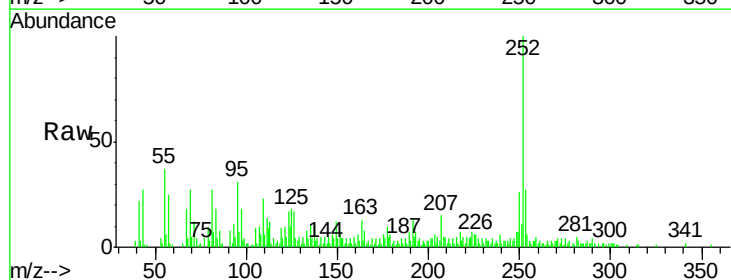
Tgt Ion:252 Resp: 35486

Ion Ratio Lower Upper

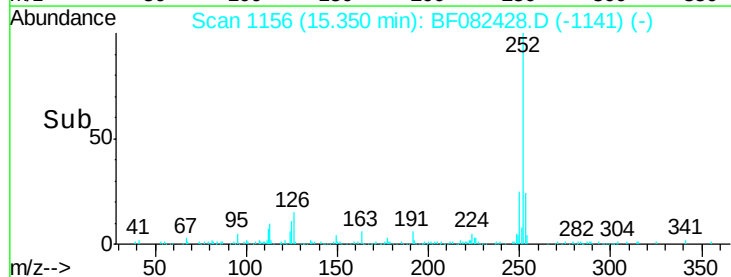
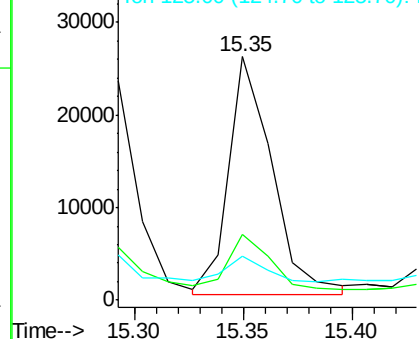
252 100

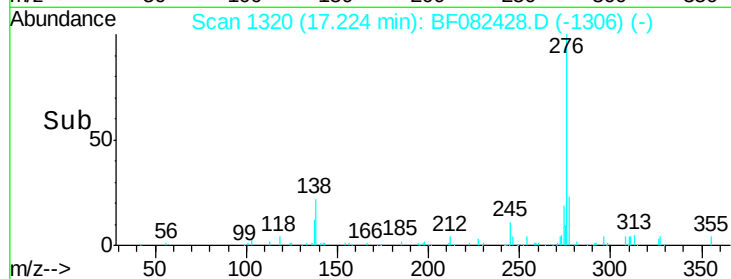
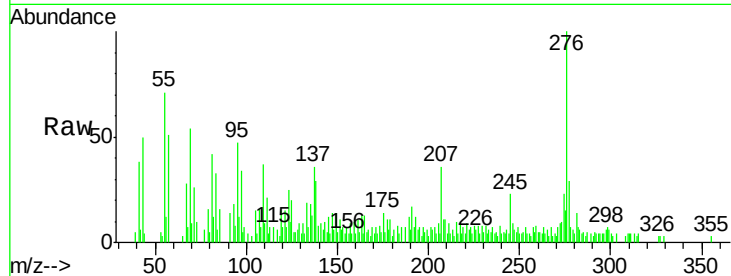
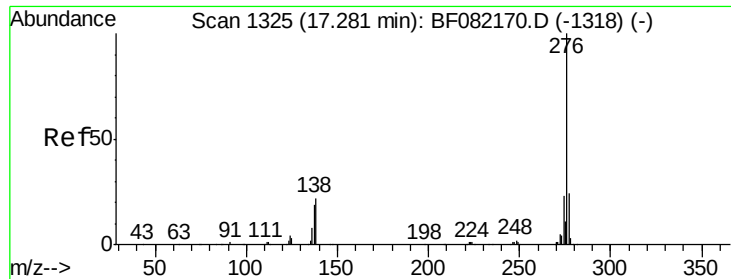
253 27.2 18.2 27.2

125 18.2 8.9 13.3#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 2.51 ng

RT: 17.22 min Scan# 1320

Delta R.T. -0.14 min

Lab File: BF082428.D

Acq: 22 Oct 2015 3:39

Instrument :

BNA_F

ClientSampleId :

BRIDGE-14-01(0-2)

Tot Ion: 276 Resp: 21797

Ion Ratio Lower Upper

276 100

277 28.9 18.8 28.2#

138 28.7 17.4 26.2#

